

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/550,558
Source: IFWP
Date Processed by STIC: 9/8/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 09/08/2006

PATENT APPLICATION: US/10/550,558

TIME: 13:54:01

Input Set : A:\10250303.APP

Output Set: N:\CRF4\09082006\J550558.raw

```

3 <110> APPLICANT: HAMON, CHRISTIAN
4      KUHN, KARSTEN
5      THOMPSON, ANDREW
6      REUSCHLING, DIETER
7      SCHAEFER, JUERGEN
9 <120> TITLE OF INVENTION: MASS LABELS
11 <130> FILE REFERENCE: 1020600-000303
13 <140> CURRENT APPLICATION NUMBER: 10/550,558
14 <141> CURRENT FILING DATE: 2005-09-26
16 <150> PRIOR APPLICATION NUMBER: PCT/GB04/001167
17 <151> PRIOR FILING DATE: 2004-03-18
19 <150> PRIOR APPLICATION NUMBER: GB 0306756.8
20 <151> PRIOR FILING DATE: 2003-03-24
22 <160> NUMBER OF SEQ ID NOS: 4
24 <170> SOFTWARE: PatentIn Ver. 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 607
28 <212> TYPE: PRT
29 <213> ORGANISM: Bos taurus
31 <400> SEQUENCE: 1
32 Met Lys Trp Val Thr Phe Ile Ser Leu Leu Leu Phe Ser Ser Ala
33   1             5             10             15
35 Tyr Ser Arg Gly Val Phe Arg Arg Asp Thr His Lys Ser Glu Ile Ala
36             20             25             30
38 His Arg Phe Lys Asp Leu Gly Glu Glu His Phe Lys Gly Leu Val Leu
39             35             40             45
41 Ile Ala Phe Ser Gln Tyr Leu Gln Gln Cys Pro Phe Asp Glu His Val
42             50             55             60
44 Lys Leu Val Asn Glu Leu Thr Glu Phe Ala Lys Thr Cys Val Ala Asp
45   65             70             75             80
47 Glu Ser His Ala Gly Cys Glu Lys Ser Leu His Thr Leu Phe Gly Asp
48             85             90             95
50 Glu Leu Cys Lys Val Ala Ser Leu Arg Glu Thr Tyr Gly Asp Met Ala
51             100            105            110
53 Asp Cys Cys Glu Lys Gln Glu Pro Glu Arg Asn Glu Cys Phe Leu Ser
54             115            120            125
56 His Lys Asp Asp Ser Pro Asp Leu Pro Lys Leu Lys Pro Asp Pro Asn
57             130            135            140
59 Thr Leu Cys Asp Glu Phe Lys Ala Asp Glu Lys Lys Phe Trp Gly Lys
60   145            150            155            160
62 Tyr Leu Tyr Glu Ile Ala Arg Arg His Pro Tyr Phe Tyr Ala Pro Glu
63             165            170            175
65 Leu Leu Tyr Tyr Ala Asn Lys Tyr Asn Gly Val Phe Gln Glu Cys Cys

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66          180          185          190
68 Gln Ala Glu Asp Lys Gly Ala Cys Leu Leu Pro Lys Ile Glu Thr Met
69          195          200          205
71 Arg Glu Lys Val Leu Ala Ser Ser Ala Arg Gln Arg Leu Arg Cys Ala
72          210          215          220
74 Ser Ile Gln Lys Phe Gly Glu Arg Ala Leu Lys Ala Trp Ser Val Ala
75 225          230          235          240
77 Arg Leu Ser Gln Lys Phe Pro Lys Ala Glu Phe Val Glu Val Thr Lys
78          245          250          255
80 Leu Val Thr Asp Leu Thr Lys Val His Lys Glu Cys Cys His Gly Asp
81          260          265          270
83 Leu Leu Glu Cys Ala Asp Asp Arg Ala Asp Leu Ala Lys Tyr Ile Cys
84          275          280          285
86 Asp Asn Gln Asp Thr Ile Ser Ser Lys Leu Lys Glu Cys Cys Asp Lys
87          290          295          300
89 Pro Leu Leu Glu Lys Ser His Cys Ile Ala Glu Val Glu Lys Asp Ala
90 305          310          315          320
92 Ile Pro Glu Asn Leu Pro Pro Leu Thr Ala Asp Phe Ala Glu Asp Lys
93          325          330          335
95 Asp Val Cys Lys Asn Tyr Gln Glu Ala Lys Asp Ala Phe Leu Gly Ser
96          340          345          350
98 Phe Leu Tyr Glu Tyr Ser Arg Arg His Pro Glu Tyr Ala Val Ser Val
99          355          360          365
101 Leu Leu Arg Leu Ala Lys Glu Tyr Glu Ala Thr Leu Glu Glu Cys Cys
102          370          375          380
104 Ala Lys Asp Asp Pro His Ala Cys Tyr Ser Thr Val Phe Asp Lys Leu
105 385          390          395          400
107 Lys His Leu Val Asp Glu Pro Gln Asn Leu Ile Lys Gln Asn Cys Asp
108          405          410          415
110 Gln Phe Glu Lys Leu Gly Glu Tyr Gly Phe Gln Asn Ala Leu Ile Val
111          420          425          430
113 Arg Tyr Thr Arg Lys Val Pro Gln Val Ser Thr Pro Thr Leu Val Glu
114          435          440          445
116 Val Ser Arg Ser Leu Gly Lys Val Gly Thr Arg Cys Cys Thr Lys Pro
117          450          455          460
119 Glu Ser Glu Arg Met Pro Cys Thr Glu Asp Tyr Leu Ser Leu Ile Leu
120 465          470          475          480
122 Asn Arg Leu Cys Val Leu His Glu Lys Thr Pro Val Ser Glu Lys Val
123          485          490          495
125 Thr Lys Cys Cys Thr Glu Ser Leu Val Asn Arg Arg Pro Cys Phe Ser
126          500          505          510
128 Ala Leu Thr Pro Asp Glu Thr Tyr Val Pro Lys Ala Phe Asp Glu Lys
129          515          520          525
131 Leu Phe Thr Phe His Ala Asp Ile Cys Thr Leu Pro Asp Thr Glu Lys
132          530          535          540
134 Gln Ile Lys Lys Gln Thr Ala Leu Val Glu Leu Leu Lys His Lys Pro
135 545          550          555          560
137 Lys Ala Thr Glu Glu Gln Leu Lys Thr Val Met Glu Asn Phe Val Ala
138          565          570          575

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```

140 Phe Val Asp Lys Cys Cys Ala Ala Asp Asp Lys Glu Ala Cys Phe Ala
141           580           585           590
143 Val Glu Gly Pro Lys Leu Val Val Ser Thr Gln Thr Ala Leu Ala
144           595           600           605
147 <210> SEQ ID NO: 2
148 <211> LENGTH: 16
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
154     peptide
156 <220> FEATURE:
157 <221> NAME/KEY: MOD_RES
158 <222> LOCATION: (2)
159 <223> OTHER INFORMATION: dimethylglycine
161 <400> SEQUENCE: 2
W--> 162 Lys Xaa Val Pro Gln Val Ser Thr Pro Thr Leu Val Glu Val Ser Arg
163     1           5           10           15
166 <210> SEQ ID NO: 3
167 <211> LENGTH: 14
168 <212> TYPE: PRT
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
173     peptide
175 <220> FEATURE:
176 <221> NAME/KEY: MOD_RES
177 <222> LOCATION: (1)
178 <223> OTHER INFORMATION: dimethylglycine
180 <400> SEQUENCE: 3
W--> 181 Xaa Pro Cys Thr Glu Asp Tyr Leu Ser Leu Ile Leu Asn Arg
182     1           5           10
185 <210> SEQ ID NO: 4
186 <211> LENGTH: 12
187 <212> TYPE: PRT
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
192     peptide
194 <220> FEATURE:
195 <221> NAME/KEY: MOD_RES
196 <222> LOCATION: (1)
197 <223> OTHER INFORMATION: dimethylglycine
199 <220> FEATURE:
200 <221> NAME/KEY: MOD_RES
201 <222> LOCATION: (6)
202 <223> OTHER INFORMATION: dimethylglycine
204 <400> SEQUENCE: 4
W--> 205 Xaa Ala Ala Leu Lys Xaa Ala Trp Ser Val Ala Arg

```

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206 1 5 10

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/550,558

DATE: 09/08/2006
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Input Set : A:\10260303.APP
Output Set: N:\CRF4\09082006\J550558.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 2 ✓

Seq#:3; Xaa Pos. 1 ✓

Seq#:4; Xaa Pos. 1,6 ✓

VERIFICATION SUMMARY

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Input Set : A:\10260303.APP

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L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0

L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0

L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0